INDEX TO VOLUME 43, 1959

AUTHOR INDEX

PAGE

Agarwal, K. C.: *See* Hameed, S., etc. 107
Agarwal, L. P., Gupta, R. B. L., and Malik, S. R. K.: Drug administration in cataract surgery 366
——— **and Malik, S. R. K.:** Solar retinitis 302
Ainslie, D.: Cataract extraction with the aid of alpha-chymo-trypsin 200
——— 448
Alvaro, M. E., and Newell, F. W.: Report of the International Committee on the Teaching of Ophthalmology 123, 320
Ashton, N., and Choyce, D. P.: Pathological examination of a human eye containing an anterior chamber acrylic implant 577

Bain, W. E. S. 448
Barraquer, J., and Boberg-Ans, J.: Cataract surgery 69
Billings, J. J.: *See* Smith, W. Hamilton, etc. 622
Blumenkrantz, N.: *See* Neumann, E., etc. 46
Boberg-Ans, J., Grove-Rasmussen, K. V., and Hammarlund, E. R.: Buffering technique for obtaining increased physiological response from alkaloidal eye-drops... 670
———: *See* Barraquer, J., etc. 69
Boston, F. K.: *See* Bryce-Smith, R., etc. 242
Brockbank, G., and Downey, R.: Measurement of eccentric fixation by the Bjerrum screen... 461
Bryce-Smith, R., and Boston, F. K.: Tubadil in ophthalmic surgery. Its effect on intra-ocular pressure... 242
Burnard, E. D.: Proptosis as the first sign of orbital sepsis in the newborn 9

Cairns, J. E.: Normal development of the hyaloid and retinal vessels in the rat 385
Cameron, M. E.: Lesions of the ciliary ganglion as a cause of Argyll Robertson and Adie pupils 471
Cardell, B. S., and Starbuck, M. J.: Diktyoma 217
Cardell, J. D. M.: Bifocal trial lenses 116
Casey, T. A.: *See* Pierse, D., etc. 733
Čavka, V.: Scleral buckling operation with rolled scleral flap... 361
Chang, J. C.-N.: Entropion in Hong Kong 88
Chatterjee, B. M.: Subconjunctival lymphoma 371
Chatterjee, S.: *See* Stevens, P. R., etc. 42
Choyce, D. P.: *See* Ashton, N., etc. 577
Coates, T.: *See* Taylor, P. J., etc.... 340
Coetzee, T.: Rhinosporidiosis of the conjunctiva 309
Cogan, J. E. H., Symons, H. M., and Gibbs, D. C.: Intracapsular cataract extraction using alpha-chymo-trypsin 193
Cole, D. F.: Some effects of decreased plasma sodium concentration of the composition and tension of the aqueous humour 268
Collette, J. M.: *See* François, J., etc. 394
Cook, C. 447
Coop, D. H.: Removal of Elschnig's pearls 501
———: Neptazane in glaucoma 602
Crews, S. J.: Hydroa vacciniforme affecting the eye 629
Cross, A. G.: Malignant glaucoma 57
——— 448
da Cunha, D.: *See* Stanworth, A., etc. 648

Das, T.: *See* Hameed, S., etc. 107
Davenport, R. C. 446
Dixon, J.: *See* Rubinstein, K., etc. 21

PAGE

Dobree, J. H.: Scalpel and scissors. A flanged incision for cataract extraction 513
Doggart, J. H.: Significance of colour change in the cornea 13
Downey, R.: *See* Brockbank, G., etc. 461
Duke-Elder, S.: Franciscus Cornelis Donders 65

Epstein, E.: Modified Ridley lenses 29
———: Fibrosing response to aqueous. Its relation to glaucoma 641
Evans, E. M., and Klein, M.: A bulbar suction test for glaucoma 494

Farooqi, H. U.: *See* Rodger, F. C., etc. 676
Fine, B. S., and Zimmerman, L. E.: Post-operative mycotic endophthalmitis diagnosed clinically and verified histopathologically 753
Fison, L. G. 448
Foulds, W. S.: Facility of aqueous outflow in closed-angle glaucoma 613
———: Darkroom outflow test in unilateral closed-angle glaucoma 697
François, J., Neetens, A., and Collette, J. M.: Vascularization of the optic radiation and visual cortex 394

Garrett, M.: Ocular metastasis from seminoma 759
Gibbs, D. C.: Chiasmal arachnoiditis 52
———: *See* Cogan, J. E. H., etc. 193
Gilkes, M.: Snake venom conjunctivitis 638
Ginsborg, B. L., and Maurice, D. M.: Involuntary movements of the eye during fixation and blinking 435
Gloster, J., and Perkins, E. S.: Distensibility of the human eye 97
Gordon, N.: Ocular manifestations of internal carotid artery occlusion 257
Graymore, C.: Metabolism of the developing retina. I. Aerobic and anaerobic glycolysis in the developing rat retina 34
———: *In vitro* swelling of the kitten retina induced by sodium fluoride inhibition... ... 40
——— and Tansley, K.: Iodoacetate poisoning of the rat retina. I. Production of retinal degeneration 177
———: Iodoacetate poisoning of the rat retina. II. Glycolysis in the poisoned retina 486
Greaves, D. 446
Gregory, I. D. R.: Unusual case of the Vogt-Koyanagi syndrome 113
Grove-Rasmussen, K. V.: *See* Boberg-Ans, J., *etc.* 670
Gupta, R. B. L.: *See* Agarwal, L. P., etc. 302

Hameed, S., Das, T., and Agarwal, K. C.: Chloroma of the orbit 107
Hammarlund, E. R.: *See* Boberg-Ans, J., etc. 670
Hanna, L.: *See* Mitsui, Y., etc. 540
Heaton, J. M.: Vitamin B_{12} and herpes zoster ophthalmicus 438
Hill, D. W.: Corneal vascularization after cataract extraction by zonulysis 325
Howsam, K. G.: *See* Smith, W. Hamilton, etc. 622
Hubbersty, F. S.: Correspondence—Adrenaline in cataract surgery 380

Jackson, C. R. S.: Standardized X-tonometers 102
Jacobs, H. B.: Epiphora due to weak lid muscles 332
———: Symptomatic epiphora 415
Jensen, O. A.: Seesaw nystagmus 225
Johnson, P. A.: Sarcoidosis. Swellings on the nose and late ocular sequelae 376

Kanagasundaram, C. R.: Repair of perforating injury with a scleral graft 440
———: Attachment for a Tudor Thomas corneal graft stand 504
Klein, M.: See Evans, E. M., etc. 494
Kurihara, H.: *See* Mitsui, Y., etc.... 540

Langham, M. E.: Influence of the intra-ocular pressure on the formation of the aqueous humour and outflow resistance in the living eye 705
Law, F. 448
Lehtinen, A.: *See* Oksala, A., *etc.*... 744
Lindsay, A.: Arterial anomaly at the optic disc 312

PAGE

Linnér, E. 448
Lister, A. 448
Lockwood, P.: New needle-holder for corneal suturing 442
Lucas, D. R., and Newhouse, J. P.: Action of metabolic poisons on the isolated retina. Relation of histological to biochemical lesions 147
———: *See* Newhouse, J. P., etc. 528
Luntz, M. H.: Transient myopia with hypotension 566

McLaren, D. S.: Correspondence—Eye diseases in African children 62
———: The eye and related glands of the rat and pig in protein deficiency... 78
———: Influence of protein deficiency and sex on the development of ocular lesions and survival time of the vitamin A-deficient rat... 234
McLean, C. M.: Ocular onchocerciasis in Northern Ghana. A treatment survey 477
Maggi, C.: Classification of amblyopia 345
Malbrán, E.: Correspondence—Retinal detachment at the posterior pole 381
———: *See* Malbrán, J., etc. 288
Malbrán, J., and Malbrán, E.: Some results in retinal detachment surgery 288
Malik, S. R. K.: *See* Agarwal, L. P., etc. 302, 366
Massie, H. H.: *See* Mayweg, S., etc. 293
Martínez Recalde, E.: *See* Rodríguez Barrios, R., etc. 584
Mathur, B. P.: *See* Mathur, S. P., etc. 378, 762, 765
Mathur, S. P.: Allergy to antivenine serum 50
———: Conjunctival plasmoma 499
———: Two cases of conjunctival cyst 763
——— and Mathur, B. P.: Optic atrophy after smallpox 378
——— ———: Tricho-epithelioma of the eyelid 762
——— ———: Conjunctival amyloidosis 765
Maudgal, M. C.: *See* Nirankari, M. S., etc. 314
Maurice, D. M.: *See* Ginsborg, B. L., etc. 435
Mayweg, S., and Massie, H. H.: Abnormal retinal correspondence. A preliminary report on the treatment of abnormal retinal correspondence by Cüppers's after-image method 293
Meadows, S. P. 447
Mendilaharzu, C.: *See* Rodriguez Barrios, R., etc. 584
Meyerson, L.: Degeneratio punctata albescens 635
Minoda, R.: *See* Mitsui, Y., etc. 540
Mitsui, Y., Hanna, L., Minoda, R., Ogata, S., Kurihara, H., Okamura, R., and Miura, M.: Experiments in human volunteers with adenovirus Type 8 540
Miura, M.: *See* Mitsui, Y., etc. 540
Moore, L. H. G.: Perspex prosthesis for the lacrimal sac and naso-lacrimal duct 186
Munro, S.: Fundus appearances in a case of acute dermatomyositis 548, 704

Naylor E. J., and Stanworth, A.: Binocular depth perception in small-angle strabismus ... 662
Neetens, A.: *See* François, J., etc. 394
Nelken, E.: Luminous frame for retinoscopy 444
Neumann, E., and Blumenkrantz, N.: Mucopolysaccharide in the secretion of vernal conjunctivitis 46
Newell, F. W.: *See* Alvaro, M. E., etc. 123, 320
Newhouse, J. P., and Lucas, D. R.: Effects of parenteral iodoacetate and other thiol reagents on the rabbit retina. Relation of histological to biochemical lesions ... 528
———: *See* Lucas, D. R., etc. 147
Newhouse, M. L.: *See* Taylor, P. J., etc. 340
Nirankari, M. S., and Maudgal, M. C.: Microphakia 314

Ogata, S.: *See* Mitsui, Y., etc. 540
Okamura, R.: *See* Mitsui, Y., etc. 540
Oksala, A.: Echogram in melanoma of the choroid 408
——— and Lehtinen, A.: Echogram in the diagnosis of intra-ocular foreign bodies ... 744
Orr, H. Campbell: Use of chymotrypsin 330

Papolczy, F. 448
Parsons-Smith, G.: Sudden blindness in cranial arteritis 204
Paufique, L. 448

PAGE

Pedler, C.: *Studies on developing retinal vessels.* VI. Histological measurement of fluoride-induced swelling in the retina 559
———: Studies on developing retinal vessels. VII. Fluoride-induced vaso-obliteration and its relation to *retinal maturity* 681
Perkins, E. S.: *See* Gloster, J., etc. 97
Phillips, C. I.: *Strabismus*, anisometropia, and amblyopia 449
———: Buried mattress suture for cataract *incisions* 572
Pierse, D.: Operation on the vertical muscles in cases of nystagmus 230
——— 448
——— **and Casey, T. A.:** Lamellar keratoplasty 733
Preziosi, V.: Diathermy electrode... 502

Rodger, F. C.: Correspondence—Eye diseases in African children 317
——— 448
——— **and Farooqi, H. U.:** Lesions of the lid margins caused by ectoparasites in India ... 676
Rodriguez Barrios, R., Martinez Recalde, E., Mendilaharzu, C., and Mendilaharzu, C.: Surgical rotation of the eyeball 584
Romanes, G. 448
Roper-Hall, M. J. 447
Rose, D.: Marfan's syndrome 252
Ruben, C. M.: Operation-table head-pillow 117
Rubinstein, K., *and Dixon, J.:* Myectomy of the inferior oblique 21

Saiduzzafar, *H.:* *Variant* of Duane's retraction syndrome 700
Salmony, D.: Chymotrypsin and zonulysis 321
Savin, L. H.: Functional spasm of accommodation 3
Scott, J. Graham: *Correspondence*—Eye diseases in African children 380
Smith, V. H.: Malignant lymphatic tumours of the orbit 247
Smith, W. Hamilton, Howsam, K. G., and Billings, J. J.: Epiphora. A symptom of early hypothyroidism 622
Speakman, J.: Aqueous outflow channels in the trabecular meshwork in man 129
———: Endothelial cell vacuolation in the cornea 139
Stallard, H. B.: Treatment of malignant neoplasms of the eyelids. Surgery or irradiation? 159
——— 448
Stanworth, A., *and da Cunha, D.:* Binocular mechanisms in small-angle strabismus ... 648
———: *See* Naylor, E. J., etc. 662
Starbuck, M. J.: *See* Cardell, B. S., etc. 217
Stephenson, R. W. 448
Stevens, P. R., and Chatterjee, S.: Haemorrhage into the lens 42
Sumner, S. S.: New needle-holder 118
Symons, H. M.: *See* Cogan, J. E. H., etc. 193

Tansley, K.: *See* Graymore, C., etc. 177, 486
Taylor, P. J., Coates, T., and Newhouse, M. L.: Episkopi blindness. Hereditary blindness in a Greek Cypriot family 340
Törnquist, R.: Peripheral chamber depth in shallow anterior chamber 169
Tolia, J. N.: Correspondence—Preservation of the anterior chamber 120
Townsend, R. H.: Two new surgical instruments. Modified Sinclair's corneal scissors. Modified Foster's scissor needle-holder 61
Trevor-Roper, P. D.: The royal oculist 1
——— 448

Urrets-Zavalia, A., jr.: V–Z procedure for the correction of senile ectropion 521

Walsh, F. B. 768
Walters, P. T.: Anaerobic glycolysis in rats affected with retinitis pigmentosa 686
Welch, J. D. 448
Whitwell, J. 447

Zagora, E.: Observations on compensatory adjustments in one-eyed persons 596
Zimmerman, L. E.: *See* Fine, B. S., etc. 753
Zorab, E. C.: Alpha-chymo-trypsin in cataract extraction 202

SUBJECT INDEX

PAGE

Abiotrophy, *retinitis pigmentosa* and ... 695
Acid, hyaluronic, vernal conjunctivitis and 47
——, iodoacetic 528
Accommodation, spasm of, functional 3
——, ——, traumatic myopia and ... 566
Acetazoleamide, cataract extraction and 302
——, glaucoma and 602, 660
***Alpha*-chymotrypsin,** biochemical action of 321
——, cataract extraction and ... 200, 202
——, —— ——, intra-capsular, and 193, 325, 330
——, vitreous body and 321
ACTH, cranial arteritis and 205
Acuity, visual, keratoplasty and ... 739
——, ——, surgical rotation of eyeball and 586
Adenovirus type 8 540
——, *follicular conjunctivitis* and ... 544
——, punctate keratitis and 544
Adie pupil, ciliary ganglion lesions and 471
—— ——, herpes zoster ophthalmicus and 471
Adrenaline, cataract extraction and ... 380
After-image, persistent, solar retinitis and 367
Akinesia, cataract surgery and ... 302
Amblyopia
abnormal retinal correspondence and 293
anisometropia and 449
classification of 345
depth perception and 665
eccentric fixation and 461
pleoptics and 461
solar retinitis and 368
strabismus and 449
treatment of, by Cüppers's after-image method... 347
Amblyoscope, major, modified... ... 669
——, ——, ——, small-angle strabismus and 649
3-Amino 4-hydroxyphenyl arsine oxide, retina and 151
Amyloidosis, conjunctival 765
——, ——, trachoma and 765
Anaesthesia, cataract extraction and ... 71
——, local, cataract extraction and ... 302
Angiography, internal carotid artery occlusion and... 259
Anisohypermetropia, bilateral 450
Anisometropia
amblyopia and 449
hypermetropic, amblyopia and ... 346
myopia and 454
myopic, amblyopia and 346
presbyopia and 454
strabismus and 449

PAGE

Anisomyopia, bilateral 450
Anterior chamber
angle, narrow... 615
axial, depth of 170
depth, shallow 169
implant, acrylic 577
loss, transient traumatic myopia and 566
preservation of 120
shallow, Neptazane and 604
——, *transient traumatic myopia* and 566
Anthisan, ocular onchocerciasis and ... 477
Antimetropia 450
——, aniseikonic 451
——, iseikonic 451
Antrypol (Suramin), ocular onchocerciasis and... 477
——, toxic effects of 477
Appliances:
Barraquer headlamp... 71
—— operating chair 69
Bifocal trial lenses 116
Boberg-Ans operating chair... ... 70
Castanera headlamp 71
Diathermy electrode 502
Foster's scissor needle-holder, modified 61
Luminous frame for retinoscopy ... 444
Needle-holders ... 61, 118, 442
Operating chairs 69, 70
Operation-table head-pillow ... 117
Perspex prosthesis 186
Ridley lens, modified 29
Sinclair's corneal scissors, modified 61
Sutures ... 235, 442, 513, 572, 734
Tudor Thomas corneal graft stand, attachment for 504
Ultrasonic echogram apparatus 408, 744
Aqueous humour
alpha-chymotrypsin and 323
drainage channels, trabecular meshwork 129
fibrosing response to, glaucoma and 641
formation, intra-ocular pressure and 705
leakage, scleral grafts and 441
outflow, closed-angle glaucoma and 613
——, darkroom outflow test and ... 697
——, glaucoma and 494
——, intra-ocular pressure and 613, 705
—— resistance, intra-ocular pressure and 705
plasma sodium and 268
Arachnoiditis, chiasmal... 52
Argyll Robertson pupil, ciliary ganglion lesions and 471
Arteriography 257
Arteritis, cranial
ACTH and 205
blindness in 204

(*contin.*) PAGE
symptoms of 205
treatment of 205
Artery
carotid, external 257
——, internal, occlusion of 257
cerebral, middle, leptomeningeal anastomoses and 398
——, ——, optic radiation and ... 396
——, posterior, leptomeningeal anastomoses and 398
——, ——, optic radiation and ... 396
choroidal, anterior, optic radiation and 396
ophthalmic, carotid artery occlusion and 258
Asthma, bronchial, cataract extraction and 302
Astigmatism, determination, device for 444
——, myectomy of inferior oblique and 22
Atrophy, optic: *see* Optic atrophy
Australia, Tonometer Testing Station... 191

Banocide, ocular onchocerciasis and ... 477
Barraquer headlamp 71
—— **operating chair** 69
Bavaria, Duke of 1
Bell's palsy, epiphora and 335
Bifocal trial lenses 116
Bjerrum screen, eccentric fixation and 461
Blind/Blindness
congenital, Episkopi 340
corneal lesion in 340
cranial arteritis and 204
internal carotid artery occlusion and 257
small-pox and 378
Blinking, involuntary ocular movements and 435
Boberg-Ans operating chair 70

Book Reviews
ALLEN, J. H. (editor): Strabismus Ophthalmic Symposium II (1958) 189
ALVARO, M. E., AMSLER, M., ARRUGA, H., BIETTI, G. B., and DUKE-ELDER, S. (editors): Lexicon Ophthalmologicum. Multilingual Ophthalmological Dictionary (1959) ... 383
ANON: Spectacle Lens Materials (British Standard 3062:1959) (1959) 576
ARRINGTON, G. E., jr.: A History of Ophthalmology (1959) ... 382
BANGERTER, A., and STEIDELE, M.: Wann, Was? Amblyopiebehandlung in der Praxis (1958) 122, 640
BEDROSSIAN, E. H.: The Eye: A Clinical and Basic Science Book (1958) 317
BLUM, H. L., PETERS, H. B., and BETTMAN, J. W.: Vision Screening for Elementary Schools (1959) 703
DUKE-ELDER, S.: A System of Ophthalmology. Vol. I. The Eye in Evolution (1958) ... 121
——: Parsons's "Diseases of the Eye" (13th ed., 1959) ... 574
FIELD, J. (editor): Handbook of Physiology. Section I: Neurophysiology. Vol. I (1959) ... 768
FRANÇOIS, J.: L'hérédité en ophtalmologie (1958) 382
GSELL, O. (editor): Antibiotica et Chemotherapia. Vol. VI. Advances (1959) 575
HOLMES, W. J. (editor): Geographic Ophthalmology (1959) ... 445
JAYLE, G. E., and DUBOIS-POULSEN, A. (editors): L'année thérapeutique et clinique en ophtalmologie. Vol. IX (1958) ... 640
KETTESY, A.: Blaskovicz-Kreiker's "Eingriffe am Auge" (3rd ed., 1959) 576
LYLE, T. K., and BRIDGEMAN, G. J. O.: Worth and Chavasse's "Squint" (9th ed., 1959) ... 507
MCNALTY, A. S.: The Preservation of Eyesight (1958) 318
MARCHESANI, O., and SAUTTER, H.: Atlas of the Ocular Fundus (1959) 445
NEWELL, F. W. (editor): Glaucoma, Transactions of the Third Macy Conference, 1958 (1959) 445
OFFRET, G., and LOMBARD, G.: Ophtalmologie. Directives thérapeutiques médicochirurgicales (1959) 507
ONFRAY, R.: L'ophtalmologie française au XXe siècle (1959) ... 507
PEER, L. A. (editor): Transplantation of Tissues, Vol. II (1959) ... 703
POLYAK, S.: The Vertebrate Visual System (1957) 574
SCHAPPERT-KIMMIJSER, J.: The Causes of Blindness in the Netherlands (1959) 767
SMITH, R.: Wolff's "Diseases of the Eye" (5th ed., 1959) 381
STREIFF, E. B. (editor): Advances in Ophthalmology. Vol. IX (1959) 508
THEODORE, F. H., and SCHLOSSMAN, A.: Ocular Allergy (1958) ... 63
U.S. DEPARTMENT OF DEFENCE: Emergency War Surgery (NATO Handbook) (1958) ... 319
VAIL, D. (editor): Year Book of Ophthalmology (1959) ... 446
VAUGHAN, D., COOK, R., and ASBURY, T.: General Ophthalmology (1958) 319
VELHAGEN, K. (editor): Der Augenarzt (1958) 64

(*contin.*) PAGE
VELTER, E., and RENARD, G. (editors): Recueil périodique de l'encyclopédie médico-chirurgicale. 4e Cahier (Ophtalmologie). Recueil No. 54 383
WALSER, E.: Plastische Chirurgie am Auge (1959) 382

Books Reviewed in *Ophthalmic Literature*
CARLEVARO, G., and OUILLON, H.: La méthode optopsychopédagogique (1958) 122
CLERICI, A.: Studio documentato del fondo oculare. 1. Alterazioni circolatorie (1958) 122
HERRMANN, R.: Die rhinogenen Erkrankungen der Orbita (1958) 122
RADNÓT, M.: Pathologie des Auges (1958) 122
VEIRS, E. R.: So you have Glaucoma (1958) 122 122

Brainstem, lesions of, seesaw nystagmus and 225
Bromoacetate, retina and 147
Buphthalmos, microphakia and ... 314

Castanera headlamp 71
Cataract
extraction 69
alpha-chymotrypsin and 321
acrylic lenses and 380
adrenaline and 380
complications, faulty wound closure 519
drug administration and 302
extra-capsular, Elschnig's pearls and 501
flanged incision for 513
intra-capsular
alpha-chymotrypsin and 193, 200, 202, 325, 330
complications of 195
corneal vascularization after ... 325
erisophake and 73, 194, 200, 202, 330
post-operative endophthalmitis and 753
sutures in 75, 253, 572
Tubadil and 243
onchocerciasis and 479
secondary, retinitis pigmentosa and 686
Catarrh, naso-lacrimal, epiphora and 422
Chemosis, protein deficiency and ... 82
Children, eye diseases of, in Africa 62, 317
——, —— ——, corneal lesions in ... 380
——, newborn, orbital sepsis in ... 9
Chloroma, orbital 107
Chlorpromazine, cataract extraction and 302
Choroid, detachment of, ultrasonics and 413
——, melanoma of, ultrasonics and ... 408
Choroido-retinal degeneration, onchocerciasis and 479

PAGE
Chymarzon, in intra-capsular cataract extraction 193, 198
Chymotrase (Quimotrase) in intra-capsular cataract extraction ... 193, 199, 201, 202
Ciliary
body
diktyoma of 217
epithelial tumours of 217
oedema of, traumatic myopia and 569
staphyloma of, microphakia and 314
ganglion, lesions of
Adie pupil and 471
Argyll Robertson pupil and ... 471
Collagen diseases, fundus appearances in 548
Colour vision
disturbances, solar retinitis and ... 367
transport workers
Boström test and 190
Ishihara test and 190
Conjunctiva/Conjunctival
amyloidosis 765
cyst 763
pterygium and 764
flap in cataract extraction 513
lymphoma 247, 371
palpebral, in senile ectropion ... 525
plasmoma 499
protein deficiency and 81
rhinosporidiosis 309
sac, tears and 334
Conjunctivitis
follicular, Adenovirus type 8 and ... 544
snake venom 638
vernal
hyaluronic acid and 47
hyaluronidase and... 47
mucopolysaccharides and... ... 46
secretion of 46
Co-ordinator, eccentric fixation and ... 461
Cornea/Corneal
colour changes 13
—— ——, classification of 15
endothelial cell vacuolation ... 139
endothelium, anterior chamber implant and 580
flange in cataract extraction ... 513
lamellae 129
lesions, hydroa vacciniforme and ... 629
——, nutritional, in African children 62, 317, 380
——, snake venom causing 638
opacity, generalized 342
——, onchocerciasis and 479
——, transverse 340
scissors, Sinclair's, modified ... 61
sutures, needle-holder for 442
vascularization, intra-capsular cataract extraction and 326
——, protein deficiency and ... 80
Correspondence, retinal abnormal
binocular vision and 648
Cüppers's after-image method and 293

(*contin.*) PAGE
depth perception and 666
orthoptics and 294
surgery and... 295
amblyopia and 346
anomalous 461
small-angle strabismus and 648
Cortex, visual, anatomy of 396
——, ——, vascularization of ... 394
——, ——, ——, microscopic 402, 406
Courses
University of Minnesota 768
University of Toronto ... 511, 768
Cüppers's after-image method 461
—— —— ——, abnormal retinal correspondence and 293
—— —— ——, amblyopia and ... 347
Curare anaesthesia, cataract extraction and 69, 302

Dacryocystorhinostomy, alternative to 186
Depth perception, binocular
estimation 662
small-angle strabismus and 662
Dermatomyositis, fundus appearances in 548
Descemet's membrane, anterior chamber implant and 580
Diamox: *See* Acetazoleamide
Diathermy electrode 502
2:6 Dichlorophenolindophenol, retina and 153
Diet in experimental protein deficiency 79
Diktyoma 217
Diplopia, Duane's retraction syndrome and 700
——, functional spasm of accommodation and 4
——, seesaw nystagmus and 225
Donders, Franciscus Cornelis 65
***d*-tubocurarine**, ophthalmic surgery and 242
Duane's retraction syndrome, variant of 700

Echogram, choroidal melanoma and ... 408
——, diagnosis of intra-ocular foreign bodies and 744
——, —— —— tumours and ... 408
Ectoparasites, lesions of lid margins and 676
Ectropion, senile, correction
Blaskovicz 521
Kuhnt-Szymanowski 521
V-Z procedure 521
Electrode, diathermy 502
Elschnig's pearls, removal of 501
Endophthalmitis, mycotic, postoperative 753
Entropion, conjunctival plasmoma and 499
—— in Hong Kong 88
——, senile, V-Z procedure for correcion of 526
Epiphora 187
hypopituitarism and 622
hypothyroidism and 622
physiology of 332
PAGE
symptomatic 415
sex-ratio and 422
treatment of 427
weak lid muscles and 332
Erisophake, intra-capsular cataract extraction and ... 73, 194, 200, 202, 330
Eserine, glaucoma and 605
Esophoria, functional spasm of accommodation and... 4
Ethyliodoacetate, retina and 151
Euthyscope, eccentric fixation and ... 461
Exophoria, functional spasm of accommodation and... 4
Eye, distensibility of 97
—— in protein deficiency 78
Eyeball, surgical rotation of, retinal tears and 584
Eyedrops, alkaloidal, increased physiological response from ... 670
Eyelid, *see* Lid

Faradism, epiphora and ... 335, 419
Fasciculus, medial longitudinal, seesaw nystagmus and 229
Fields, visual, chiasmal arachnoiditis and 52
——, ——, constriction of, degeneratio punctata albescens and... 637
——, ——, defects of, hemianopic carotid artery lesions and ... 257
Fixation
amblyopia and 345
disparity 648
depth perception and 666
eccentric, abnormal retinal correspondence and 293
Bjerrum screen and 461
involuntary ocular movements and 435
Fluoride, swelling of retina and ... 559
1:2:4-Fluorodinitro benzene, retina and 151
Foreign body, intra-ocular, diagnosis of 744
Foster's scissor needle-holder 61
Fundus appearance in acute dermatomyositis 548
Fungus infection, intra-ocular, exogeneous 753

Gallamine triethiodide, cataract extraction and 304
Ghana, Northern, ocular onchocerciasis in 477
Gland, Harderian, protein deficiency and 81
Glaucoma
acute, Marfan's syndrome and ... 252
aqueous humour outflow and ... 494
chronic simple
causes of 137
outflow resistance in 137
closed-angle
anterior chamber depth and ... 169
aqueous humour outflow and ... 613

(*contin.*) PAGE
unilateral, darkroom outflow test in 697
diagnosis
bulbar suction test 494
darkroom test 695
eserine drops and 605
fibrosing response to aqueous and ... 641
malignant, bilateral 57
Neptazane and 602
secondary, microphakia and ... 314
surgical rotation of eyeball and ... 585
Glyceraldehyde, retina and 154
Glycolysis
aerobic, in developing retina ... 34
anaerobic, in developing retina ... 34
——, ——, iodacetate and 486
——, retinitis pigmentosa and ... 686
inhibition, in retina ... 147, 528
Goniosynechiae, closed-angle glaucoma and 615
Gregg, Norman McAlister, Prize ... 64

Haidinger's brushes, eccentric fixation and 462
Headlamp for ocular surgery 71
Head-pillow, operation-table 117
Head-tilting, compensatory, in one-eyed persons 596
Hemianopia, homonymous, carotid artery occlusion and 257
Hemiplegia, internal carotid artery occlusion and 257
Heredity/Hereditary
blindness, Episkopi, in a Greek-Cypriot family 340
——, sex-linked recessive 340
corneal opacity 341
epiphora 416
Herpes zoster ophthalmicus
Adie pupil and 471
Vitamin B_{12} and 438
Hong Kong, entropion in 88
Horner's syndrome, internal carotid artery occlusion and 262
Hyaluronidase, vernal conjunctivitis and 47
Hydroa vacciniforme, eye and ... 629
Hypermetropia, anisometropia and ... 449
——, myectomy of inferior oblique and 22
Hyperoxia, ambient, retinal glycolysis and 681
Hypertension
ocular, traumatic myopia and ... 566
systemic, cataract extraction and ... 302
Hypertropia, myectomy of inferior oblique and 27
Hypopituitarism, epiphora and ... 622
Hypothyroidism, epiphora and ... 622

Implants
See also Prostheses
acrylic, anterior chamber, pathological examination of eye containing... 577

PAGE
Index Ophthalmologicus 509
Injuries, ocular, perforating, scleral graft for 440
Instruments *see* Appliances
Intra-ocular pressure
aqueous humour formation and ... 705
outflow facility 613, 705
bulbar suction test and 494
cataract extraction and 304
closed-angle glaucoma and 613
darkroom outflow test and 697
Nembutal anæsthesia and 705
Neptazane and 602
ocular rigidity and 97
reduction, lamellar keratoplasty and 734
regulation 705
Tubadil and 242
Urethane anæsthesia and 705
Iodoacetamide, retina and ... 147, 152
Iodoacetate, toxicity of retina and ... 177, 486, 528
Iris atrophy, onchocerciasis and ... 479
Irradiation
eye and 160
complications 160
injuries, solar retinitis and 366
lacrimal apparatus and 162
for malignant neoplasm of lids ... 159
of orbit, tumours and 247
of skin 160

Keratitis, herpetic, lamellar keratoplasty and 733
——, hydroa vacciniforme and ... 629
——, punctate, subepithelial, adenovirus type 8 and 544
——, striate, zonulolysis and 330
Kerato-conjunctivitis, epidemic, adenovirus type 8 and 540
Keratomalacia, protein deficiency and 234
——, vitamin A deficiency and ... 234
Keratoplasty, lamellar 733
——, penetrating 733

Lacrimal apparatus, irradiation and ... 162
canaliculi, epiphora and ... 334, 415
gland, protein deficiency and ... 81
puncta, epiphora and 334
sac, epiphora and 333
——, perspex prosthesis for... ... 186
——, tears and 333
Lens, crystalline
dislocation of, traumatic myopia and 566
haemorrhage into 42
homogenate, *alpha*-chymotrypsin and 323
luxation of, Marfan's syndrome and 252
——, ultrasonics and 414
protein deficiency and 84
Lens/Lenses, optical
bifocal trial 116
British Standard for 509
Ridley 577
——, modified 29

(*contin.*) PAGE
Strampelli, pathological examination of eye containing 578
trial case, British Standard for ... 509
Lesions, ocular, malnutrition and, in African children 62, 317, 380
——, ——, protein deficiency and ... 234
——, ——, vitamin A deficiency and... 234
Leukaemia, lymphatic, chronic ... 248
——, ——, ——, orbital tumours and 249
Lid/Lids
closure of, in one-eyed subjects ... 600
incrustation of, protein deficiency and 82
lower, reconstruction of 165
margins, lesions of, ectoparasites and 676
muscles, weak, epiphora and ... 332
neoplasms, malignant, of
irradiation and 159
surgery and... 159
puffiness of
hypopituitarism and 622
hypothyroidism and 622
sarcoidosis and 376
tricho-epithelioma of 762
upper, reconstruction of 166
Lupus erythematosus, fundus appearances in, dermatomyositis and 548
Lymphoma, conjunctival ... 247, 371

Macula/Macular
alterations in acute dermatomyositis 552
fixation, surgical rotation of eyeball and 592
function, amblyopia and 346
lesions, solar retinitis and 366
oedema, anterior chamber implant causing 583
Marfan's syndrome 252
Melanoma, choroidal, echogram in ... 408
Mercuric chloride, retina and 151
Metamorphopsia, solar retinitis and ... 367
Methazolamide, *see* Neptazane
Mickle, Charles, Fellowship 320
Microphakia 314
Micropsia, solar retinitis and 367
Movements, ocular
internal carotid artery occlusion and 263
involuntary
blinking and 435
fixation and 435
surgical rotation of eyeball and ... 587
Mucopolysaccharide in secretion of vernal conjunctivitis 46
Muscle/Muscles
extra-ocular
oblique, inferior, myectomy of ... 21
superior 231
rectus, inferior 231
vertical, nystagmus and 230
weakness of, epiphora and ... 332
intra-ocular, Duane's retraction syndrome and 700
ocular, surgical rotation of eyeball and 586

PAGE
Mycostatin, mycotic endophthalmitis and 754
Myectomy of inferior oblique muscle 21
Myopia
anisometropia and 454
degenerative, retinal detachment and 290
functional spasm of accommodation and 4
retinal detachment at posterior pole and 381
traumatic, transient, hypotension and 566

Naso-lacrimal duct
epiphora and 415
perspex prosthesis for 186
tear drainage and 332
Needle-holder 61, 118
—— for corneal suturing 442
Nembutal anaesthesia, intra-ocular pressure and 705
Neptazane, glaucoma and 602
Neuritis, retrobulbar, cranial arteritis and 205
Nyctalopia 236
——, degeneratio punctata albescens and 635
Nystagmus, operation on vertical muscles in 230
——, seesaw 225
——, vertical 225

Obituary:
ALVARO, MOACYR E. 703
BLACK, KENNETH 256
CRAIG, JAMES ANDREW 192
DOYNE, PHILIP GEOFFREY 255
JAMES, ROBERT RUTSON 704
MAGITOT, ANDRÉ 128
MELLICK, ALEXANDER 128
PINES, NOAH 256
SOUTER, WILLIAM CLARK 384
WARDLE, JOHN DOBSON 192
Onchocerciasis, ocular
in Northern Ghana 477
Anthisan and 477
Antrypol and 477
Banocide and 477
Ophthalmic artery, *see* Artery, ophthalmic
Ophthalmitis, sympathetic, Vogt–Koyanagi syndrome and ... 115
Ophthalmology, teaching of 123
Ophthalmoplegia, internal carotid artery occlusion and... 258
Ophthalmoscopy, indirect, binocular, retinal detachment surgery and 288
Optic
atrophy
in acute dermatomyositis ... 554
onchocerciasis and 479
small-pox and 378
chiasma, arachnoiditis of 52

(*contin.*) PAGE
disc
arterial anomaly at 312
cupped, onchocerciasis and ... 479
dermatomyositis and 548
internal carotid artery occlusion and 260
nerve, ischaemia of, cranial arteritis and 204
radiation
anatomy of 394
vascularization 394
intra-tissular 400
macroscopic 396
microscopic 400
Orbicularis oculi, epiphora and ... 332
—— —— spasm, post-operative, Tubadil and 242
Orbit/Orbital
chloroma 107
lymphosarcoma 247
sepsis 9
tumour, malignant, lymphatic ... 247
——, ——, ——, classification of ... 250
Orthoptics, abnormal retinal correspondence and 294
Oscilloscope, cathode-ray, ocular movements and 435

Papillitis, small-pox and 379
Papilloedema, cranial arteritis and ... 204
——, internal carotid artery occlusion and 258
——, Vogt–Koyanagi syndrome and ... 115
***p*-Benzoquinone,** retina and 152
Perception, visual, depth estimation and 662
——, ——, ——, small-angle strabismus and 662
Phenacyl bromide, retina and 151
Photophobia, solar retinitis and ... 367
Photopsia, retinal tears and 290
Phthisis bulbi, onchocerciasis and ... 479
Plasmoma, conjunctival 499
——, ——, entropion, and 499
Pleoptics, amblyopia and 461
Polythene tubing, fistulizing operations for glaucoma and 641
Posture, adjustments in, one-eyed persons and 596
Precipitates, keratic, onchocerciasis and 479
Presbyderma, onchocerciasis and ... 478
Presbyopia, anisometropia and ... 454
Pressure, intra-ocular, *see* Intra-ocular pressure
Priscol, solar retinitis and 366
Promethazine, cataract extraction and 303
Proptosis, orbital sepsis in newborn babies and 9
Prosthesis
See also Implant
for lacrimal sac 186
for naso-lacrimal duct 186
Protein deficiency, eye and 78
—— ——, onchocerciasis and ... 479

PAGE
Psychosis, functional spasm of accommodation and... 3
Pterygium, conjunctival cyst and ... 764
——, lamellar keratoplasty and ... 737
Ptosis, curare anaesthesia and ... 303
——, internal carotid artery occlusion and 263
Pupil abnormalities, internal carotid artery occlusion and ... 258, 262

Retina/Retinal
arterial pressure, internal carotid artery occlusion and 258
arterioles, in acute dermatomyositis 552
artery
arterial anomaly at optic disc and 312
internal carotid artery occlusion and 258
spasm, transient blindness and ... 265
thrombosis, cranial arteritis and... 204
biochemical lesions of ... 147, 528
capillary network 386
cells
degeneration, sodium iodoacetate and 486
——, sodium malate and ... 486
metabolism of 179
nuclei 182
toxicity, iodoacetate and 535
correspondence, *See* Correspondence, retinal
degeneration (experimental) ... 177
pigmentary, anaerobic glycolysis and 686
detachment 288
complicated 288
idiopathic, choroidal melanoma and 409
at posterior pole 381
subclinical 288
treatment 288
diathermy 290
lamellar resection 290
scleral buckling with rolled scleral flap 361
resection 290
tucking 361
development 559
aerobic glycolysis in 34
anaerobic glycolysis in 34
disinsertion 584
glycolysis, inhibition of 528
haemorrhage, cranial arteritis and ... 204
histological lesions of ... 147, 528
hole 381
inversion 584
iodoacetate and 528
ischaemia, cranial arteritis and ... 204
isolated, action of metabolic poisons on 147
oedema, in acute dermatomyositis ... 552
respiration, iodoacetate and ... 528

(*contin.*) PAGE
sodium iodoacetate and 531
swelling, sodium fluoride inhibition and 40, 559
tears 584
without detachment 288
thiol reagents and 147, 528
vaso-obliteration 681
sodium fluoride and 40
vessels, developing, fluoride and ... 559, 681
——, normal development of ... 385
Retinitis
pigmentosa, abiotrophy and ... 695
anaerobic glycolysis in 686
proliferating, ultrasonics and ... 414
punctata albescens, degenerative ... 635
solar, solar eclipse and 366
sun-gazing and 366
Retinopathy, angiospastic, central, solar retinitis and 369
Retinoscopy, luminous frame for ... 444
Rhinosporidiosis 309
Rhinosporidium equi 311
—— ***seeberi*** 309
Rigidity, ocular, coefficient of, intraocular pressure and 97
——, ——, determination of 97
Rotation of eyeball, surgical 584

Sarcoidosis, systemic, ocular sequelae of 376
Scalpel in cataract extraction ... 513
Schirmer's test, symptomatic epiphora and 417
Schlemm's canal 129
—— ——, trabecular wall of ... 134, 139
Sclera, graft of, aqueous leakage and ... 441
perforating injury and 440
Scleroderma, fundus appearances in, dermatomyositis and... ... 549
Scotoma, arcuate, arterial anomaly at optic disc and... 312
——, translucid, solar retinitis and ... 367
Seminoma, ocular metastasis from ... 759
Sepsis, orbital, neonatal 9
Serum, antivenine, allergy to 50
Sinclair's corneal scissors 61
Smallpox, optic atrophy and 378
Snake bite, ocular complications of ... 50
—— venom conjunctivitis 638
Societies
American Ophthalmological Society 511
Czechoslovak Purkinje Society ... 191
European Ophthalmological Society 190, 320
Faculty of Ophthalmologists ... 510
French Society of Ophthalmology ... 576
XIX International Congress of Ophthalmology, *1962* ... *510*
International Council of Ophthalmology 189, 509
International Federation of Ophthalmological Societies 190
International Society for Clinical Electro-retinography... ... 319
Irish Ophthalmological Society ... 254
National Council to Combat Blindness 512, 640
III Ophthalmological Congress of Turkey, 1959 512
Ophthalmological Society of New South Wales 64
Ophthalmological Society of the United Kingdom ... 254, 446
Oxford Ophthalmological Congress, 1959 191
VI Pan-American Congress of Ophthalmology 191
Sociedade Brasileira de Oftalmologia 512
South-East Metropolitan Regional Hospital Board: Corneo-Plastic Conference, 1959 254
Sodium
borate, alkaloidal eyedrops and ... 671
bromoacetate, retina and 152
cyanide, retina and 154
fluoride, inhibition, retina and ... 40
retina and 154, 559
fluoroacetate, retina and 154
glutamate, retina and 181
iodoacetate, retina and 147, 152, 177
malate, retina and 178
o-iodosobenzoate, retina and ... 151
p-chloro-mercuribenzoate, retina and 151
plasma, aqueous humour and ... 268
pyruvate, retina and 181
Spectacles, British Standards for ... 509
—— frames, British Standards for ... 509
Spherophakia 314
Standards, British, for spectacles ... 509
Stenström's instrument, axial chamber depth and 170
Strabismus
amblyopia and 345, 449
anisometropia and 449
concomitant, abnormal retinal correspondence and 293
myectomy of inferior oblique and ... 21
small-angle:
binocular depth perception in ... 662
mechanisms in 648
treatment, operative, nystagmus and 230
Study Tour, Holland, 1959 510
Surgery, ophthalmic
complications, haemorrhage into lens 42
d-tubocurarine in 242
headlamp for 70
operating chair for 69, 71
operation-table head-pillow... ... 117
rotation of eyeball 584
suturing 253
Tubadil in 242
Sutures in cataract surgery ... 253, 513
—— corneal, needle-holder for ... 442
—— in lamellar keratoplasty 734
——, mattress, buried 572
Synechiae, *posterior, onchocerciasis* and 479

PAGE

Tears
capillarity 332
drainage of 333
gravity and 333
mechanism, theories on 333
Tension, ocular: *See* Intra-ocular pressure
Test
Boström, for colour vision in transport workers 190
bulbar suction, glaucoma and ... 494
darkroom, glaucoma and 613
—— outflow 613
—— ——, closed-angle glaucoma and 697
Ishihara, for colour vision in transport workers 190
Thiol reagents, retina and ... 147, 528
Tonography, aqueous outflow resistance and 705
——, ocular rigidity and 97
Tonometer/Tonometry
Australian Testing Station for ... 191
ocular rigidity and 97
Schiötz (weighted) 102
X-, standardization of ... 102, 510
Torticollis, uniocular 596
Toxicology, metabolic, isolated retina and 147
Trachoma
conjunctival amyloidosis and ... 764
in Far East 88
pathology of 90
plasmoma of conjunctiva and ... 499
Transport workers, colour vision tests for 190
Tricho-epithelioma of lid 762
Tubadil
cataract extraction and 243
intra-ocular pressure and 242
ophthalmic surgery and 242
Tudor Thomas corneal graft stand, attachment for 504
Tuinal, cataract extraction and ... 303
Tumours
See also individual tissues, etc.
intra-ocular, detection of, by ultrasonics 408

PAGE

Ultrasonics, choroidal melanoma and... 408
——, detection of intra-ocular foreign bodies and 744
——, —— —— tumours and 408
University of Minnesota 768
University of Toronto 768
Urethane anaesthesia, intra-ocular pressure and 705
Uvea, pigment, Vogt–Koyanagi syndrome and 115
Uveitis, chronic, vitreous opacities in, ultrasonics and 413
——, fungus infection and 754

Vessels, hyaloid, development of ... 385
Vision, binocular, in small-angle strabismus 648
——, loss of, unilateral 596
Visual acuity: *See* Acuity, visual
—— fields: *See* Fields, visual
Visuscope, eccentric fixation and ... 461
Vitamin A deficiency:
ocular disease in African children and 62, 317
—— lesions and 234
onchocerciasis and 479
—— **B** deficiency, onchocerciasis and 479
—— B_{12}, herpes zoster ophthalmicus and 438
Vitreous body, *alpha*-chymotrypsin and 321
Vogt–Koyanagi syndrome 113

Wallenberg syndrome 227

Xerophthalmia, protein deficiency and... 234
——, Vitamin A deficiency and 62, 234

Zonule, chemistry of 321
——, stretching of, traumatic myopia and 569
Zonulolysis, cataract extraction and ... 193, 200, 202, 321, 325
Zonulysin, intra-capsular cataract extraction and ... 193, 198, 202